Northern California Earthquake Hazards Workshop Agenda

January 24-25, 2017

NASA Ames Conference Center, Building 3, Moffett Field, California

Tuesday, January 24

7:30-9:00am	**Registration and Poster Setup**
9:00-9:15am	**Welcoming Remarks**
	Steve Hickman (USGS)
	Matt Fladeland (NASA Ames)
	Jack Boatwright (USGS)
9:15-10:45am	**Reducing Seismic Risk for Critical Facilities in Urban Areas** Moderator: Jack Boatwright (USGS)
9:15am	*Utilization of earthquake simulations for nonlinear analysis and assessment of tall buildings*, Greg Deierlein (Stanford University)
10:00am	*The San Francisco Seawall*, Steven Reel (Port of San Francisco)
10:30am	Panel Discussion: Steven Reel (Port of San Francisco), Shahriar Vahdani (Applied GeoDynamics, Inc.), Craig Lewis (GHD Phy Ltd), Deron Von Hoff (Geotechnical Consultants, Inc.), Keith Knudsen (USGS)
11:00-11:15am	**Break**
11:15-12:15pm	**Earthquake Hazards in the South Bay: Shaking, Liquefaction, and Landslides** Moderator: Mark Murray
11:15am	Eric Thompson (USGS), Keith Knudsen (USGS), and Kate Allstadt (USGS)
12:00-1:00pm	**Lunch & Poster Session**
1:00-2:00pm	**Lightning Talks** *(1 slide and 3 min per speaker)* Moderator: Sarah Minson (USGS) *Speakers*: Roger Bilham (CIRES), Kathryn Materna (UC Berkeley), Joyce Blueford (Math Science Nucleus), Luther Strayer (CSU East Bay, Hayward), Michael Buga (Fugro), Volkan Sevilgen (Temblor), Randolph Langenbach (Conservationtech Consulting), Rufus Catchings (USGS), Jack Boatwright (USGS), Mitchell Craig (CSU East Bay, Hayward), Anne Wein (USGS), Chris Johnson (UC Berkeley), Russell Graymer (USGS), Suzanne Hecker (USGS), Carol Prentice (USGS), Patrick Williams (Williams Associates), Alena Leeds (USGS), Annemarie Baltay (USGS), Valerie Sahakian (USGS), Artie Rodgers (LLNL)
2:00pm-3:30pm	**Poster Session**

3:30-5:00pm	**What Do Creep and Paleoseismology Tell Us About the Seismic Hazard of the Hayward Fault?** Moderator: Jessica Murray (USGS)
3:30pm	*Hayward Fault: Long-term creep rates, geophysical properties and paleoearthquake record suggest controls on frequency and size of large earthquakes*, Jim Lienkaemper (USGS)
4:15pm	*Constraining creep and locking on the Hayward fault using InSAR and GPS*, Gareth Funning (UC Riverside)

Wednesday, January 25

9:00-10:30am	**Seismic hazards for creeping faults** Moderator: David Schwartz (USGS)
9:00am	*Beyond site-specific fault characterization: New developments in fault displacement hazard analysis (FDHA) for the mitigation of surface fault rupture*, Tim Dawson (California Geological Survey)
9:45am	*Sensitivity of hazard at PG&E facilities to source model assumptions for creeping faults*, [Norm Abrahamson (PG&E Geosciences)]
10:30-10:45am	**Break**
10:45-12:15pm	**Uses of earthquake early warning** Moderator: Jennifer Strauss (UC Berkeley)
10:45am	*Building the ShakeAlert User Community: The Path to Limited Public Rollout***,** Robert de Groot (USGS)
11:30am	*"User Benefit Pathways and Perceptions for California's Earthquake Early Warning System"* Laurie Johnson and Sharyl Rabinovici, Pacific Earthquake Engineering Research Center (PEER)
12:15-1:15pm	**Lunch and Poster Session**
1:15-2:45pm	**Unmanned aerial vehicles for earthquake response** Moderator: Ben Brooks (USGS)
1:15pm	*The Use of Unmanned Aerial Vehicles in Recent Post-Earthquake Geotechnical Reconnaissance*, Kevin Franke (Brigham Young University)
2:00pm	*UAVs in support of NASA Earth System Science*, Matt Fladeland (NASA Ames)
2:45-3:00pm	**Wrapup**
	Jack Boatwright (USGS)